

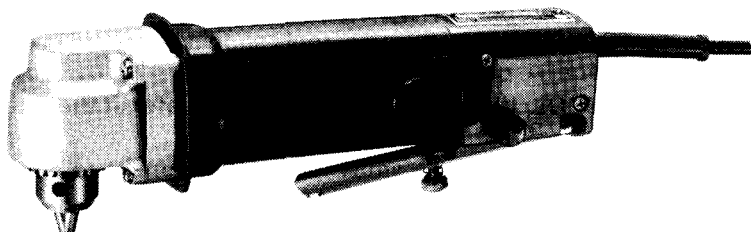
Makita

アメリカ

Angle Drill

10 mm (3/8") MODEL DA3000R
Variable Speed/Reversing

INSTRUCTION MANUAL



SPECIFICATIONS

Capacities		No load speed	Overall length	Net weight
Steel	Wood			
10 mm (3/8")	15 mm (5/8")	0 – 1,400 R/min.	272 mm (10-3/4")	1.6 kg (3.5 lbs)

* Manufacturer reserves the right to change specifications without notice.

* Note: Specifications may differ from country to country.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

- 1. KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
- 2. CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
- 3. KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
- 4. STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
- 5. DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
- 6. USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
- 7. DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 8. USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
- 9. DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- 10. SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- 11. DON'T OVERREACH.** Keep proper footing and balance at all times.
- 12. MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
- 13. DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. **AVOID UNINTENTIONAL STARTING.** Don't carry tool with finger on switch. Be sure switch is OFF when plugging in.
16. **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

TABLE 1 MINIMUM GAGE FOR CORD SETS

		Total Length of Cord in Feet			
		0 – 25	26 – 50	51 – 100	101 – 150
Ampere Rating More Than	Not More Than	A W G			
0	— 6	18	16	16	14
6	— 10	18	16	14	12
10	— 12	16	16	14	12
12	— 16	14	12	Not Recommended	

17. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
20. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
21. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
22. **POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate rating is harmful to the motor.

ADDITIONAL SAFETY RULES

1. Always be sure you have a firm footing.
Be sure no one is below when using the tool in high locations.
2. Hold the tool firmly.
3. Keep hands away from rotating parts.
4. When drilling into walls, floors or wherever “live” electrical wires may be encountered, **DO NOT TOUCH ANY METAL PARTS OF THE TOOL!**
Hold the tool only by the plastic handle or plastic tool body to prevent electric shock if you drill into a “live” wire.
5. Do not leave the tool running. Operate the tool only when hand-held.
6. Do not touch the drill bit or the workpiece immediately after operation, they may be extremely hot and could burn your skin.

SAVE THESE INSTRUCTIONS.

HOW TO USE

Installing and removing bit

To install the drill bit, place it in the chuck as far as it will go. Tighten the chuck by hand. Place the chuck key in each of three holes, and tighten clockwise.

To remove the drill bit, place the chuck key into the chuck hole and turn counterclockwise.

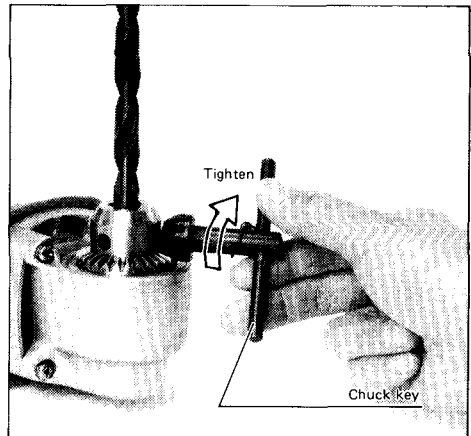


Fig. 1

Switch action

To start the tool, simply squeeze the switch lever. Release the lever to stop.

Tool speed (0 to 1,400 RPM) is increased by increasing pressure on the lever.

CAUTION:

Before plugging in the tool, always check to see that the paddle switch actuates properly and returns to the "OFF" position when released.

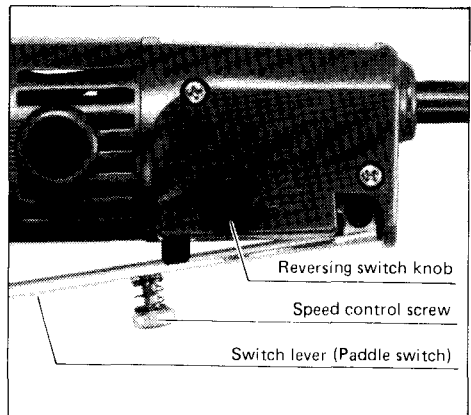




Fig. 2

Reversing switch action

This tool has the reversing switch to change the direction of rotation. Turn the reversing switch knob so that its protrusion will point to  marking for clockwise rotation or  marking for counterclockwise rotation.

CAUTION:

- Always check the direction of rotation before drilling.
- You cannot obtain reversing switch action with the switch lever squeezed since the reversing knob is thereby locked.

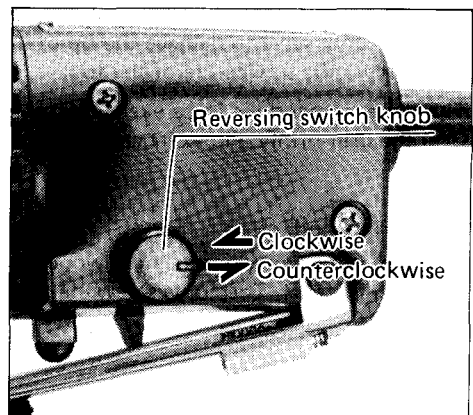


Fig. 3

Drilling in metal

Punch a small hole in the metal to prevent the bit from skittering when starting to drill a hole.

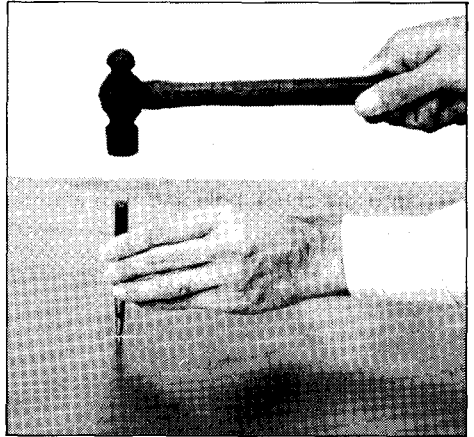


Fig. 4

Use cutting lubricant on the bit to facilitate drilling if necessary.

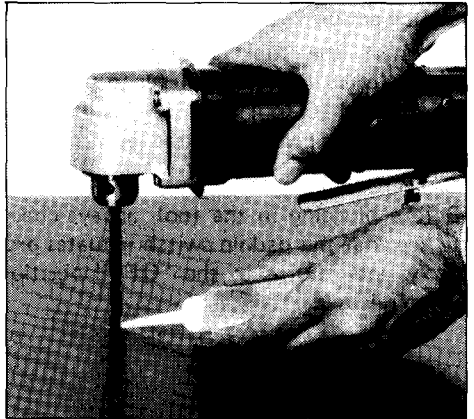


Fig. 5

Pressing down too hard on the tool will not speed up the drilling. In fact, this undue pressure will only serve to damage the tip of your drill bit, decrease your drilling performance and shorten the service life of the tool.

There is a tremendous force exerted on the tool/bit at the time of hole break through. Grip the drill firmly and exert care when the bit begins to break through the material.

Drilling in wood

In drilling holes in wood using a wood drill with a guide screw, there is no need to bear down on the tool. The guide screw makes it bore naturally by itself.

MAINTENANCE

CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

• Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

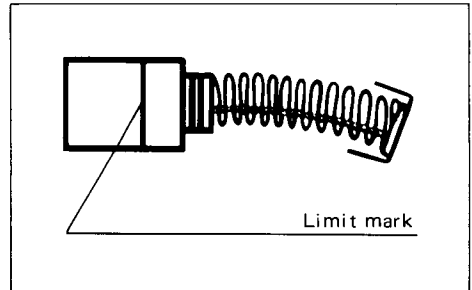


Fig. 6

Use a screwdriver to remove the brush holder cap as shown in the figure.

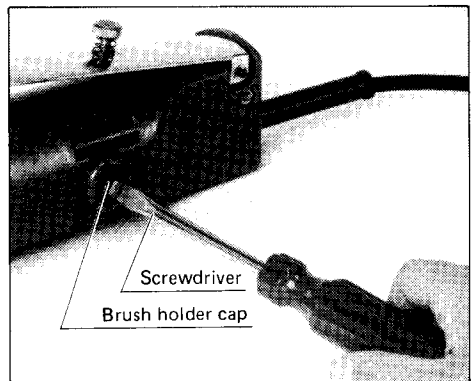


Fig. 7

Take out the worn brush, insert the new one and secure the brush holder cap.

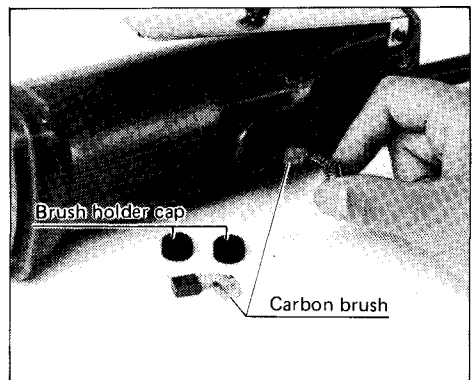


Fig. 8

To maintain product **SAFETY** and **RELIABILITY**, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

CAUTION:

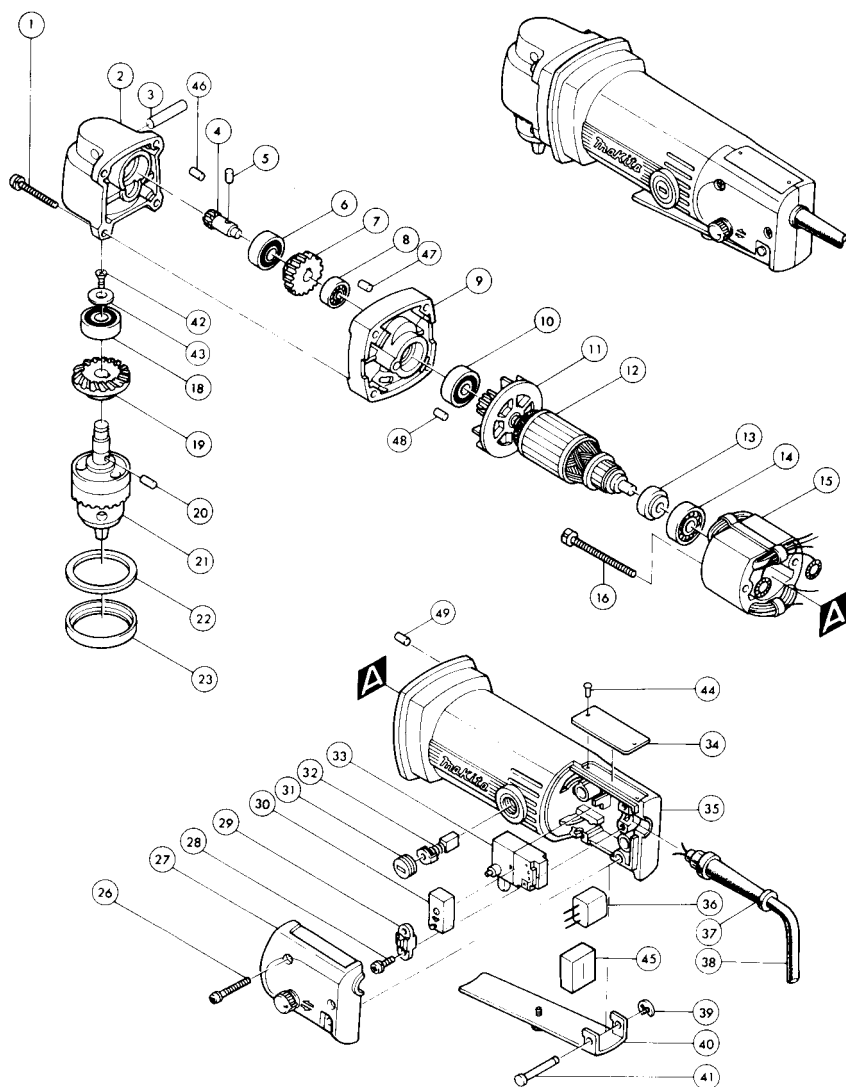
These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

● Chuck key S10

Part No. 763213-1



10 mm (3/8") ANGLE DRILL Model DA3000R



Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	4	Pan Head Screw M4x35 (With Washer)	26	2	Pan Head Screw M4x40 (With Washer)
2	1	Gear Housing	27	1	Switch Cover
3	2	Roll Pin 4 36	28	2	Pan Head Screw M4x18 (With Washer)
4	1	Spiral Bevel Gear 10	29	1	Strain Relief
5	1	Pin 3	30	1	Switch
6	1	Ball Bearing 609LLB	31	2	Brush Holder Cap
7	1	Helical Gear 32	32	2	Carbon Brush
8	1	Ball Bearing 606	33	1	Switch
9	1	Gear Housing Cover	34	1	Name Plate
10	1	Ball Bearing 608LB	35	1	Motor Housing
11	1	Fan 58	37	1	Cord Guard
12	1	ARMATURE ASSEMBLY (With items 10 14)	38	1	Cord
13	1	Insulation Washer	39	1	Stop Ring E 3
14	1	Ball Bearing 627LB	40	1	Switch Lever
15	1	FIELD ASSEMBLY	41	1	Pin 4
16	2	Hex Bolt M4x55 (With Washer)	42	1	Countersunk Head Screw M4x12
18	1	Ball Bearing 609LLB	43	1	Washer 4
19	1	Spiral Bevel Gear 36	44	2	Rivet O 5
20	1	Pin 5	46	1	Rubber Pin 4
21	1	Drill Chuck S10	47	1	Rubber Pin 4
22	1	Felt Ring 38	48	1	Rubber Pin 4
23	1	Cap 46	49	1	Rubber Pin 4

Note: The switch and other part specifications may differ from country to country.



MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation

3-11-8, Sumiyoshi-cho,
Anjo, Aichi 446 Japan

883327A063

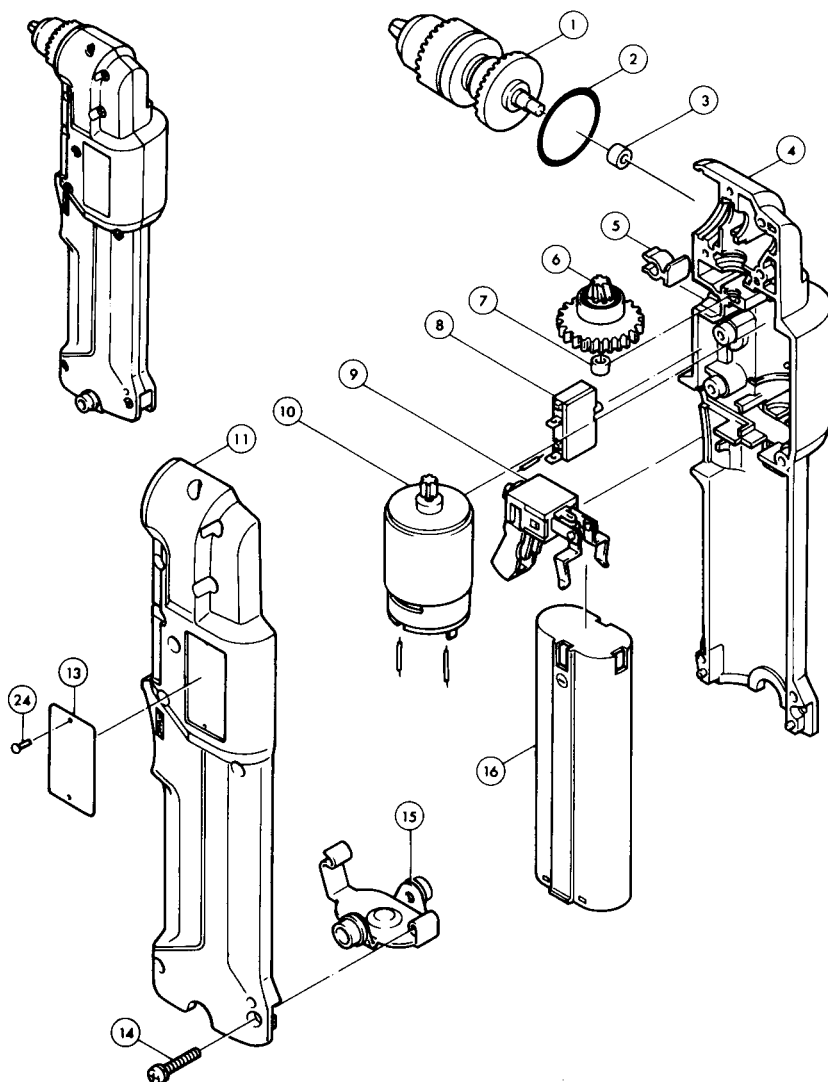
PRINTED IN JAPAN
1992 — 8 — N

- **Steel case**

Part No. 181697-5



10 mm (3/8") CORDLESS ANGLE DRILL Model DA3000D



Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	1	Drill Chuck S10	9	1	Switch
2	1	O Ring 34	10	1	Motor
3	1	Plane Bearing 5	11	1	Housing Set (With Item 4)
4	1	Housing Set (With Item 11)	13	1	Name Plate
5	1	Holder 6	14	9	Screw M4x22 (With Washer)
6	1	Gear	15	1	Set Plate
7	1	Plane Bearing 4	16	1	Battery 7000
8	1	Current Relay	24	2	Rivet 0—5

Note: The switch and other part specifications may differ from country to country.



MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation

3-11-8, Sumiyoshi-cho,
Anjo, Aichi 446 Japan

883557B066

PRINTED IN JAPAN
1991 — 8 — N